EV316937328

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O 9 0 1 0 2 0 PTO/SB/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY **PATENT APPLICATION TRANSMITTAL**

| Attori | ney Docket No. | MS1-1744US | 14 O |
|----------------|------------------|------------|------------|
| First Inventor | | Hua | 304 304 |
| Title | Systems and Meth | 72 | |
| Expre | ss Mail Label N | /o. | 10 10 |

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| APPLICATION ELEMENTS | ADDRESS TO: Mail Stop Patent Application | | | | | | |
|---|---|--|--|--|--|--|--|
| See MPEP chapter 600 concerning utility patent application contents. | ADDRESS TO: Commissioner for Patents/P.O. Box 1450 Alexandria, VA 22313-1450 | | | | | | |
| 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) | 7. CD-ROM or CD-R in duplicate, large table or | | | | | | |
| Applicant claims small entity status. | Computer Program (<i>Appendix</i>) 8. Nucleotide and/or Amino Acid Sequence Submission | | | | | | |
| See 37 CFR 1.27. Specification [Total Pages 48] | (if applicable, all necessary) | | | | | | |
| (preferred arrangement set forth below) - Descriptive title of the invention | a. Computer Readable Form (CRF) | | | | | | |
| - Cross Reference to Related Applications | b. Specification Sequence Listing on: | | | | | | |
| Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, | i. CD-ROM or CD-R (2 copies); or | | | | | | |
| or a computer program listing appendix - Background of the Invention | i i paper c. Statements verifying identity of above copies | | | | | | |
| - Brief Summary of the Invention | ACCOMPANYING APPLICATION PARTS | | | | | | |
| Brief Description of the Drawings (if filed) Detailed Description | 9. Assignment Papers (cover sheet & document(s)) | | | | | | |
| Claim(s)Abstract of the Disclosure | 37 CFR 3.73(b) Statement Power of | | | | | | |
| | 10. (when there is an assignee) Attorney | | | | | | |
| 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 8] | 11. English Translation Document (if applicable) Information Disclosure Copies of IDS | | | | | | |
| 5. Oath or Declaration [Total Pages 2] | Statement (IDS)/PTO-1449 Citations | | | | | | |
| a. Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) | 13. Preliminary Amendment | | | | | | |
| b. (for continuation/divisional with Box 18 completed) | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) | | | | | | |
| i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | | | |
| named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | 16. Nonpublication Request under 35 U.S.C. 122 | | | | | | |
| 1.05(b)(2) and 1.05(b). | (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. | | | | | | |
| 6 Application Data Sheet. See 37 CFR 1.76 | 17. Other: | | | | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supp | ly the requisite information below and in a preliminary amendment, | | | | | | |
| or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) | of prior application No.:// | | | | | | |
| Prior application information: Examiner | Group Art Unit: | | | | | | |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the Box 5b, is considered a part of the disclosure of the accompanying continuation. | prior application, from which an oath or declaration is supplied under | | | | | | |
| The incorporation can only be relied upon when a portion has been inadvert | ently omitted from the submitted application parts. | | | | | | |
| 19. CORRESPONDE | NCE ADDRESS | | | | | | |
| Customer Number or Bar Code Label 22801 | or Correspondence address below | | | | | | |
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| City | State Zip Code | | | | | | |
| Country Tele | phone Fax | | | | | | |
| Name (Print/Type) David S Thompson | Registration No. (Attorney/Agent) 37,954 | | | | | | |
| Signature Viun Wow.for Date 11-26-03 | | | | | | | |
| urden Hour Statement: This form is estimated to take 0.2 hours to complete. Time | | | | | | | |

the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

U.S. Patent and U.S. Patent an

FEE TRANSMITTAL

for FY 2004Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

EV3 16937328 PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

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| Complete if Known | | | | | | |
|----------------------|------------|--|--|--|--|--|
| Application Number | | | | | | |
| Filing Date | | | | | | |
| First Named Inventor | Hua | | | | | |
| Examiner Name | | | | | | |
| Art Unit | | | | | | |
| Attorney Docket No. | MS1-1744US | | | | | |

| TOTAL AMOUNT OF PAYMENT (\$) 1,328.00 | | | Attorn | ey Doo | cket N | lo. MS1-1744US | | |
|---|----------------|-----------------------------|-----------------------------|----------|---------------------------------|--|--|--|
| METHOD OF PAYMENT (check all that a | apply) | FEE CALCULATION (continued) | | | | | | |
| Check Credit card Money Other | None | 3. ADDITIONAL FEES | | | | | | |
| Deposit Account: | | | Large Entity Small Entity | | | | | |
| Denosit | | Fee Code | | | Fee (\$) | Fee Description | Fee Paid | |
| Account Number | | 1051 | 130 | 2051 | | Surcharge - late filing fee or oath | | |
| Deposit Account Lee & Hayes, PLLC | | 1052 | 50 | 2052 | | Surcharge - late provisional filing fee or cover sheet | | |
| Name | | | 130 | 1053 | | Non-English specification | | |
| The Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments | | | 2,520 | 1812 2 | | For filing a request for ex parte reexamination | | |
| Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s) | | | 920 * | 1804 | | Requesting publication of SIR prior to Examiner action | | |
| Charge fee(s) indicated below, except for the filing fee | | | 1,840* | 1805 1 | | Requesting publication of SIR after | | |
| to the above-identified deposit account. | | | ,,,,,,, | | .,0.0 | Examiner action | | |
| FEE CALCULATION | | 1251 | 110 | 2251 | 55 | Extension for reply within first month | | |
| 1. BASIC FILING FEE | | 1252 | 420 | 2252 | 210 | Extension for reply within second month | | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description | Fee Paid | 1253 | 950 | 2253 | | Extension for reply within third month | | |
| Code (\$) Code (\$) | ree raiu | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | | |
| 1001 770 2001 385 Utility filing fee | 770 | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | | |
| 1002 340 2002 170 Design filing fee | ''' | 1401 | 330 | 2401 | 165 | Notice of Appeal | | |
| 1003 530 2003 265 Plant filing fee | | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | | |
| 1004 770 2004 385 Reissue filing fee | | 1403 | 290 | 2403 | 145 | Request for oral hearing | | |
| 1005 160 2005 80 Provisional filing fee | | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | | |
| SUBTOTAL (1) (\$) 770.00 | | | 110 | 2452 | 55 | Petition to revive - unavoidable | | |
| | | | 1,330 | 2453 | 665 | Petition to revive - unintentional | | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND Fee from | | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | | |
| Extra Claims below | Fee Paid | 1502 | 480 | 2502 | 240 | Design issue fee | | |
| Total Claims 44 -20** = 24 x 18 Independent | 432 | 1503 | 640 | 2503 | 320 | Plant issue fee | | |
| Claims Multiple Dependent A 3** = 1 X 86 Multiple Dependent | = 86 | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | | |
| | 1 | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description | | 1806 | 180 | 1806 | | Submission of Information Disclosure Stmt | | |
| Code (\$) Code (\$) | | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40 | |
| 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in ex | rcess of 3 | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection | | |
| 1203 290 2203 145 Multiple dependent claims in ex | 1 | 1810 | 770 | 2810 | 385 | (37 CFR 1.129(a)) For each additional invention to be | | |
| 1204 86 2204 43 ** Reissue independent | | | | • | | examined (37 CFR 1.129(b)) | | |
| over original patent | 200 05 20 | 1801 | 770 | 2801 | | Request for Continued Examination (RCE) | <u> </u> | |
| 1205 18 2205 9 ** Reissue claims in exce and over original paten | | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | | |
| SUBTOTAL (2) (\$) 5 | | fee (spe | | | | | | |
| **or number previously paid, if greater; For Reissues, s | *Redu | ced by | Basic F | iling Fe | ee Paid SUBTOTAL (3) (\$) 40.00 | o] [| | |

SUBMITTED BY

Name (Print/Type)

Signature

(Complete (if applicable))

Registration No. (Attorney/Agent)

And (Attorney/Agent)

Oate

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.